

Attorney Docket No.:J3682(C)  
Applicant: Adams et al.  
Serial No.: 10/521,981  
Filed: January 21, 2005  
For: Hair Care Composition

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listing of claims in the application.

#### Listing of Claims:

Claim 1 (Currently Amended) A method of styling hair by applying to the hair a hair treatment mousse comprising: (a) styling ingredients consisting essentially of 2-hydroxyalkanoic acid and, optionally, styling polymer and, optionally, a neutralizing agent for the styling polymer, in which the mousse comprises less than 2 wt.% of the total composition of a surfactant, and wherein the 2-hydroxyalkanoic acid comprises at least one acid selected from the group consisting of 2-hydroxyhexanoic acid, 2-hydroxyoctanoic acid and 2-hydroxydecanoic acid (b) carrier and (c) optionally, propellant; wherein the styling ingredient consists of: (i) 2-hydroxyalkanoic acid, (ii) optionally, styling polymer and (iii) optionally, neutralizing agent capable of reducing a portion of acid groups that may be present on the styling polymer; and wherein the hair treatment mousse contains less than 2 wt.% of surfactant and includes at least one member of the group consisting of 2-hydroxyhexanoic acid, 2-hydroxyoctanoic acid and 2-hydroxydecanoic acid.

Claim 2 (Currently Amended) A method of styling hair according to claim 1 in which the 2-hydroxyalkanoic acid consists essentially of ~~is selected from the group consisting of 2-hydroxyhexanoic acid, 2-hydroxyoctanoic acid, 2-hydroxydecanoic acid and mixtures thereof.~~

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Claim 3 (Previously Presented) A method of styling hair according to claim 1 in which the 2-hydroxyalkanoic acid is 2-hydroxyoctanoic acid.

Claim 4 (Previously Presented) A method of styling hair in which the level of 2-hydroxyalkanoic acid within the mousse is from 0.5 to 10 wt%

Claim 5 (Currently Amended) A method of styling hair according to claim 1 wherein the mousse further ~~comprising~~ includes a styling polymer.

Claim 6-8 (Cancelled).

Claim 9 (Currently Amended) A method according to claim 1 wherein the mousse further comprises one or more additional components selected from the group consisting of: ~~propellants, carriers,~~ conditioning materials, sun-screening agents, anti-dandruff actives, carboxylic acid polymer thickeners, emulsifiers, amino acids, sugars, ceramides, and perfume.

Claim 10 (Currently Amended) A method according to claim 9 wherein the conditioning materials are selected from the group consisting of cationic conditioners; quaternary silicone polymers; silicone based conditioners and their emulsions; and amino functional silicones and their emulsions.

Claim 11 (Previously Presented). A method as described in claim 1 wherein the mousse is applied to the hair while the hair is wet or damp.

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**Claim 12 (New)** A method of styling hair by applying to the hair a hair treatment mousse consisting essentially of: (a) 2-hydroxyalkanoic acid, (b) optionally, styling polymer, (c) optionally, neutralizing agent capable of reducing at least a portion of acid groups that may be present on the styling polymer, (d) carrier, (e) optionally, propellant, and (f) one or more additional components selected from the group consisting of: conditioning materials, sun-screening agents, anti-dandruff actives, carboxylic acid polymer thickeners, emulsifiers, amino acids, sugars, ceramides, and perfume; wherein the hair treatment mousse contains less than 2 wt.% of surfactant and includes at least one 2-hydroxyalkanoic acid selected from the group consisting of 2-hydroxyhexanoic acid, 2-hydroxyoctanoic acid and 2-hydroxydecanoic acid.

**Claim 13 (New)** A method as described in claim 1, wherein the neutralizing agent is selected from the group consisting of 2-amino-2-methyl-1,3-propanediol; 2-amino-2-methyl-1-propanol; 2-amino-1-butanol; monoethanolamine; diethanolamine; triethanolamine; monoisopropanolamine; diisopropanol-amine; triisopropanolamine; dimethyl stearamine; long chain amine neutralizing agent; inorganic neutralizers; and mixtures thereof.

**Claim 14 (New)** A method of styling hair by applying to the hair a hair treatment mousse comprising: (a) at least one 2-hydroxyalkanoic acid selected from the group consisting of 2-hydroxyhexanoic acid, 2-hydroxyoctanoic acid, and 2-hydroxydecanoic acid, (b) carrier and (c) propellant; wherein the hair treatment mousse (i) is free of a sulfonic acid or a salt thereof and (ii) comprises less than 2 wt.% of surfactant.

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**Claim 15 (New)** A method as described in claim 1 in which the surfactant is absent from the hair treatment mousse.

**Claim 16 (New)** A method as described in claim 1 wherein, if surfactant is present, it is selected from the group consisting of non-ionic, amphoteric and zwitterionic surfactants, and mixtures thereof.

**Claim 17 (New)** A method as described in claim 1 in which the hair treatment mousse consists essentially of said styling ingredient, carrier and, optionally, propellant.

**Claim 18 (New)** A method as described in claim 12 wherein the hair treatment mousse consists of: (a) 2-hydroxyalkanoic acid, (b) optionally, styling ingredient, (c) optionally, neutralizing agent capable of reducing at least a portion of acid groups that may be present on the styling polymer, (d) carrier, (e) optionally, propellant, and one or more of said additional components (f) .

**Claim 19 (New)** A method as described in claim 1 wherein the hair treatment mousse is free of styling polymer.

**Claim 20 (New)** A method as described in claim 1 wherein the hair treatment mousse is dispensed from a pump aerosol container that utilizes compressed air.